

**PUBLIC HEALTH
SEATTLE & KING COUNTY**

**COMMUNITY ENVIRONMENTAL HEALTH
PLUMBING & GAS PIPING SECTION**

**DECISIONS AND INTERPRETATIONS
of the Chief Plumbing Inspector**

DATE: January 12, 2009

FILE NO: 09-001

PRODUCT / METHOD: Barrier Type Floor Drain Trap Seal Protection Devices

Public Health – Seattle & King County does hereby approve for use within its jurisdiction the following product/method:

Barrier type floor drain trap seal protection devices listed as conforming to the ASSE 1072 product standard.

Description:

This product fits into a floor drain that comply with ANSI/ASME A112.6.3 to provide a barrier type method to prevent evaporation of the trap contents and the escape of gases, while providing appropriate drainage of discharges received.

Comments:

Since this barrier method does not automatically or periodically provide water to replenish the trap seal, it is designed to provide a barrier on the inlet side of the trap seal that minimizes evaporation, while at the same time providing adequate drainage capabilities required for the floor drain's intended use. The performance requirements of the product standard require tests of the device that take into consideration certain adverse conditions, such as fouling substances (dirt, sand, grease, floor wax, etc.) and both infrequent and unusually sizable discharges. (See Page 2 for additional inspection guidelines.)

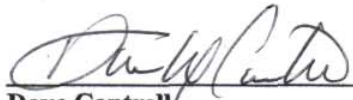
Approval is subject to the following conditions:

- The device shall conform to ASSE 1072.
- The product shall be installed in accordance with the manufacturer's installation instructions.
- The product shall only be installed in a floor drain complying with ANSI/ASME A112.6.3.

Approval is hereby granted under the provisions of section(s):

2006 Uniform Plumbing Code, Section 301.2 – Alternate Materials and Methods Equivalency.

Effective Date: January 12, 2009


Dave Cantrell
Chief Plumbing Inspector

Additional information.

The following information is included to assist during the inspection process. Table 2 of ASSE Standard #1072-2007 is included below and shows the various designations for installation in certain environments. The marking requirements of products conforming to the standard are also shown below.

Application	Designation	Test 3.1	Test 3.2	Test 3.3	Test 3.4	Test 3.5	Test 3.6	Test 3.7	Test 3.8	Test 3.9
Any Floor Finish	AF	X	X	X	X	X	X		X	X
Any Floor, Grease Laden Waste	AF-GW	X	X	X	X	X	X	X	X	X
Shower Floor	SF	X	X	X	X	X			X	X
Concrete Floor	CF	X	X	X	X	X			X	X
Ceramic Tile Floor	CT	X	X	X	X	X			X	X
Wood Floor	WF	X	X	X	X	X	X		X	X

Tests are as follows:

- 3.1 – Flow Test
- 3.2 – Evaporation Test
- 3.3 – Trap Seal Interference Test
- 3.4 – Opening Test
- 3.5 – Dirt and Debris Test
- 3.6 – Floor Wax Test
- 3.7 – Grease Test
- 3.8 – Life Cycle Test
- 3.9 – Physical Test of Membrane Material

Requirements of ASSE 1072 for marking of devices and installation instructions.

Each device shall have the following information marked on it by a permanent method where it will be visible:

- A) Name of manufacturer or trademark.
- B) Application designation (per Table 2)

Each device shall have the following information marked on the packaging:

- A) Name of manufacturer or trademark.
- B) Model number or description of the device.
- C) Rating for type of floor.
- D) Rated for grease-laden waste, if applicable.
- E) Floor drain size.

Instructions for installation of the device shall be on the packaging or packaged with the device.